Journal of

Neurology

Zeitschrift für Neurologie

Vol. 213 - 1976

Editors

M. Alter Philadelphia · H. Bauer Göttingen · C. Fazio Roma

E. J. Field Newcastle upon Tyne · H. C. Hopf Mainz

J. A. Kappers Amsterdam · A. Lowenthal Antwerpen

S. Refsum Oslo · H. Reisner Wien

G. Schaltenbrand Würzburg · K. Schürmann Mainz

W. Tönnis Köln · K. J. Zülch Köln

M. Mumenthaler Bern (Editor-in-Chief)

Advisory Board

R. Ch. Behrend Hamburg · T. Broman Göteborg

J. A. N. Corsellis Wickford · O. Creutzfeldt Göttingen

H. vander Eecken Gent · R. A. Frowein Köln

J. Hausmanowa-Petrusewicz Warszawa · A. Hopf Düsseldorf

W. Kahle Frankfurt a. M. · H. H. Kornhuber Ulm

H. Kuhlendahl Düsseldorf · Y. Kuroiwa Fukuoka

F. L. McNaughton Montreal · H. Narabayashi Tokyo

E. Niedermeyer Baltimore . H.W. Pia Giessen

K. Poeck Aachen . G. Quadbeck Heidelberg · U. K. Rinne Turku

W. Schiefer Erlangen . L. Symon London · R. F. Schmidt Kiel

W. Wechsler Köln · S. Wende Mainz

M. Wiesendanger Fribourg · W. Zeman Lahnstein



Springer-Verlag

Berlin Heidelberg New York

Journal of Neurology Zeitschrift für Neurologie

Vol. 1—197: Deutsche Zeitschrift für Nervenheilkunde. Founded in 1891 by W. Erb, L. Lichtheim, Fr. Schultze and A. Strümpell, edited by W. Erb, L. Lichtheim, Fr. Schultze, A. Strümpell, M. Nonne, V. v. Weizsäcker, H. Pette, H. Spatz, P. Vogel et al.

Vol. 198—206 (1970—1974): Zeitschrift für Neurologie — Journal of Neurology Vol. 1—152 Leipzig and Berlin, F. C. W. Vogel, from Vol. 153 (1942) Berlin, Springer.

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Springer-Verlag Berlin Heidelberg New York Printed in Germany by J. P. Peter, Gebr. Holstein, Rothenburg o. d. Tbr.

© by Springer-Verlag Berlin Heidelberg 1976

Contents

Editorial

Palo, J., s. Wikström, J	79
Wikström, J., Palo, J.: Studies on the Geographic Clustering of Multiple Sclerosis and Optic Neuritis in Finland	79
Surveys of Progress	
Jerusalem, F.: Hypotheses and Recent Findings Concerning Actiology and Pathogenesis of the Muscular Dystrophies	155 155
Norris, F. H., Jr.: Micropipette Recording from Human Striated Muscle	1
Original Investigations and Short Communications	
Alter, M., s. Kahana, E., et al	87 377
Baust, W., Irmscher, K., Jörg, J., Sommer, Th: Untersuchungen zur eireadianen Periodik bei der genuinen Epilepsie vom Aufwachtyp Borkowska, J., s. Hausmanowa-Petrusewicz, I., et al. O'Brien, J. S., s. Fricker, H., et al. Budka, H., Sluga, E., Heiss, WD.: Spastic Paraplegia Associated with Addison's Diasease: Adult Variant of Adreno-Leukodystrophy	283 335 273 237
Cendrowski, W., Polna, I., Nowicka, K.: Measles Virus Infection and Multiple Sclerosis. Serological Studies	369 257
de Barsy, Th., s. Martin, J. J., et al. de Coster, W., s. de Reuck, J., et al. de Reuck, J., de Coster, W., Otte, G., vander Eecken, H.: Papova Virus-Like Particles in a Nigral Type of Creutzfeldt-Jakob Disease den Tandt, W. R., s. Martin, J. J., et al. Dolce, G., s. v. Wild, K.	105 179 179 105 143
Emery, A. E. H., s. Vassilopoulos, D., et al. Engelhardt, P.: Intrathecal Cytostatic Therapy of Meningeal Carcinomatosis. Autoradiographic Investigations of the CSF Cells	257 309
Feldman, S., s. Kahana, E., et al. Fewster, M. E., Hirono, H., Mead, J. F.: Lipid Composition of Myelin in Multiple Sclerosis.	87 119
Frank, G.: Neurologische und psychiatrische Folgesymptome bei akuter Arsen-Wasserstoff-Vergiftung	59
Dysplasia	273
in Neuronal Ceroid-Lipofuscinose (NCL)	295
Diseases Brain	251 273 199
Harada, O., s. Kimura, J	189 335

IV Contents

Heipertz, R., Pilz, H., Scholz, W.: The Fatty Acid Composition of Major Glycosphingolipids (Cerebrosides and Sulfatides) in Human Cerebral White Matter Measured by a Simple Micromethod	47 237 273 327 133 119 251 17
49 Fälle aus der Literatur	317 283 33
Jörg, J.: Die elektrosensible Untersuchung und das EEG in der Diagnostik symptomatischer Epilepsien	217 283
Kahana, E., Alter, M., Feldman, S.: Optic Neuritis in Relation to Multiple Sclerosis Kawanami, S., Itoyama, Y., Kuroiwa, Y.: Leucocyte Migration Inhibition in Myasthenia gravis. The Effect of Thymectomy	87 33
Kimura, J., Harada, O.: Recovery Curves of the Blink Reflex during Wakefulness and Sleep	189 71
Koya, M., s. Shoji, H., et al	269 347 17
Kunze, U.: Chronic Bromide Intoxication with a Severe Neurological Deficit Kuroiwa, Y., s. Kawanami, S., et al	149 33
Kwieciński, H., s. Niebrój-Dobosz, I., et al	353 361
Verdacht auf multiple Sklerose Leven, B., s. Huffmann, G. Lins, E., s. Szepan, B., et al. Lumb, E. M., s. Vassilopoulos, D., et al. Lowitzsch, K., Kuhnt, U., Sakmann, Ch., Maurer, K., Hopf, H. C., Schott, D., Thäter, K.: Visual Pattern Evoked Responses and Blink Reflexes in Assessment of MS Diagnosis. A Clinical Study of 135 Multiple Sclerosis Patients	97 317 227 257
Martin, J. J., de Barsy, Th., den Tandt, W. R.: Acid Maltase Deficiency in Non-Identical Adult Twins. A Morphological and Biochemical Study	
Mattern, H., s. Gullotta, F., et al. Maurer, K., s. Lowitzsch, K., et al. Mead, J. F., s. Fewster, M. E., et al.	105 199 17
Meyendorf, R.: Hirnembolie und Psychose. Unter besonderer Berücksichtigung der Basalganglienapoplexie bei Herzoperationen mit extrakorporaler Zirkulation	119 163
Mir, Z., s. Lehmann, D	97 71
Mrożek, K., s. Niebrój-Dobosz, I., et al	353 361
Mühlethaler, J. P., s. Fricker, H., et al	273
Niebrój-Dobosz, I., Kwieciński, H., Mrożek, K.: Plasma Membranes of Muscle in Experimental Myotonia in Rats	347
100000 11 1000 1 1 1 1 1 1 1 1 1 1 1 1	353

Contents

Niebrój-Dobosz, I., Kwieciński, H., Mrożek, K., Szymanowski, S.: Sarcoplasmic Reti-	
	361 369
Ogiwara, H., s. Shoji, H., et al	269 179
THE THE CO. L. L. T. L.	295 47
Polna, I., s. Cendrowski, W., et al	369 335
Sakmann, Ch., s. Lowitzsch, K., et al	17 133
Schlieter, F., s. Szepan, B., et al	227
munoassay and Gas-Liquid Chromatography	41
	251
Scholz, W., s. Heipertz, R., et al	47
Schott, D., s. Lowitzsch, K., et al.	17
	263
Shoji, H., Koya, M., Ogiwara, H.: Meningitis Associated with Herpes Zoster. Immuno-	000
	$\frac{269}{237}$
	283
	273
	199
Szepan, B., Schlieter, F., Lins, E.: Einseitige Erblindung als Komplikation der Carotis-	227
and of the second secon	361
Terrence, Ch. F.: Myotonic Dystrophy and Multiple Sclerosis	305 17
Vassella, F., s. Fricker, H., et al	179 273
Vassilopoulos, D., Lumb, E. M., Corall, R. J. M., Emery, A. E. H.: Muscle Karyometry in Diabetic Neuropathy	257
Wiesmann, U. N., s. Fricker, H., et al	273
	143
Zaremba, J., s. Hausmanowa-Petrusewicz, I., et al	335
Zeman, W., s. Goebel, H. H., et al	295
Forthcoming Meetings	153

Indexed in Current Contents



Index of the Key words

Acid β-galactosidase deficiency 273

— maltase deficiency 105, 199

Adrenal gland diseases 237

Adreno-leukodystrophy 237

Adult glycogenosis type II 199

Aetiology of muscular dystrophy 155

Amaurosis, unilateral 227

Anaplastic type, glioma 263

Angioscintigraphy 227

Aneurysm of basilar artery 377

Anterior interosseous nerve syndrome 3

 $\begin{array}{lll} {\rm Apallic\ syndrome} & 143 \\ {\rm Arsenic\ poisoning} & 59 \\ {\rm Asialo\text{-}GM}_2 & 251 \\ {\rm ATP\text{-}ase\text{-}5'\text{-}nucleotidase} & 353 \\ {\rm ATP\text{-}ase\text{-}phospholipids\ basic} & 361 \\ {\rm Autoradiography} & 309 \\ \end{array}$

Antigenically detectable protein 105

Basal ganglia 163
Basilar artery aneurysm 377
Blink reflex 17, 189
Brain tumor 263
Bromide intoxication 149

Carcinomatosis, meningeal 309
Cardiac delirium 163
— surgery 163
Carotid angiography, complication in 227
— basilar anastomosis 377
Cellular immunity 33
Central retinal artery, embolic occlusion of

Ceramide trihexoside 251
Cerebellar dysfunction 149
Cerebral embolism 163
Cerebrosides 47, 251
Cilioretinal artery 227
Circadian periodicity 283
Computer analysis 143
Creutzfeldt-Jakob disease 179
CSF-cytology 309
—, immunoglobulins 305
Cytology of CSF 309

Dementia 273
Demyelination 237
Demyelinating lesions 71
Development, reflexes 133
Diabetic neuropathy 257
Diphenylhydantoin 41

EEG 217 EMG 327 Enzyme immunoassay 41
Epidemiology of optic neuritis 87
Epilepsy 41
Epilepsy symptomatic 217
—, type 283
Evoked potentials 97, 217
Extracorporeal circulation 163
Eye disturbance 149

Facial paralysis 327 Fatty acids 47, 119 Finland: Multiple sclerosis 79

Gangliosides 251
Gangliosidosis generalized 273
Genetic analysis 335 π -granules 295
Gas-liquid chromatography 41
Geriatric neurology 133
Glycogen filled vacuoles 105
Glycosphingolipids 47

Head injuries, severe 143
Herpes zoster meningitis 269
Hexosylceramides 251
Hypoglossal artery 377

Immunofluorescence in CSF cells 269
Immunoglobulins 305
Immunosuppressive drugs 179
Intoxication, bromide 149
Intracellular EMG 1

Karyometry 257 Kiloh-Nevin syndrome 317, 347 Kugelberg-Welander disease 335

Leucocyte migration inhibition test 33 Leukodystrophy 237 Leukoencephalopathy, progressive multifocal 179 Lipopigments 295

Manic-depressive disease 163
Measles virus infection 369
Median nerve palsy 317, 347
M. flexor pollicis longus 317, 347
Meningeal carcinomatosis 309
Meningitis with Herpes zoster 269
Mental deterioration 273
Metabolic disease 237
Micromethod 47
Micropipette 1
Motor performance 133
M. retroauricularis 327

Multiple sclerosis 17, 87, 97, 119, 305, 369
— — (subclinical) 71

Muscle 257

— dystrophy 199

- human 1

— stretch reflexes 133
Muscular atrophy 105
— dystrophy 155
Myasthenia gravis 33
Myasthenic reaction 327
Myelin lipids 47
Myotonia, experimental 353, 361

Myotonic dystrophy 305

Neuronal ceroid lipofuscinosis 295 Niemann-Pick disease 251 Non-REM sleep 189 Nystagmus 327

Oculo-auricular phenomenon 327 Oligodendroglioma 263 Ophthalmodynamometry 227 Optic neuritis 79, 87, 97

Paired shock technique 189
Paraplegia 237
Parkinson's disease 179
Papova virus-like particles 179
Pathogenesis of muscular dystrophy 155
Phenobarbital 41
Phosphoglycerides 119
Phospholipids 353
Plasma membranes 353
Psychomotor measurement 327

Psycho-organic syndrome 59 Psychosis 163 Pyrithioxine 143

REM sleep 189, 327 Recovery curves 189 Residual acid α -glucosidase activity 105

Sarcoplasmic reticulum 361
Schizophrenia 163
Sensibility 133
Sleep 189
Somatosensory cortical evoked potentials 217
Spinal cord disease 237
— muscular atrophy 335
Sphingolipids 119
Strabismus 327
Substantia nigra 179
Sulfatides 47

Thromboembolism, cerebral 163 Thymectomy 33 Thymus antigens 33 Toxic polyneuropathy 59

Ultrastructure 295

SV 40 virusses 179

Viral antibodies 369 Virus in Creutzfeldt-Jakob disease 179 Visual evoked potentials 17, 97

White matter lipids 47